

# [RAID STORAGE DEVICE]

## Abstract

An redundant array of independent disks (RAID) storage device is provided. The RAID comprises  $M$  number of storage devices, and the storage blocks of the same  $J$ -column in each storage device comprises complete stripe blocks and at least a plurality of partially complete stripe blocks. Inside the same stripe block, the total number of the storage blocks ( $L$ ) is smaller than the number of the storage device ( $M$ ), and the quantity of the storage blocks ( $M$ ) is not multiple of storage blocks ( $L$ ).